

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Duayne Root Examiner #: 68951 Date: 3/9/04  
 Art Unit: 2600 Phone Number 30 Serial Number: 1072733  
 Mail Box and Bldg/Room Location: CBL 2 8A3 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*



US 6,441,803

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: KEJ	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: 25	Other _____	Other (specify) _____

Query/Command : prt max legalall

/// PLUSPAT - ©QUESTEL-ORBIT - image

**PN** -  US2002033815 A1 20020321 [US20020033815]  
**PN2** -  US6441803 B1 20020827 [US6441803]  
**TI** - (A1) Display device and luminance control method therefor  
**PA** - (A1) MATSUSHITA ELECTRIC IND CO LTD (JP)  
**PA0** - MATSUSHITA ELECTRIC INDUSTRIAL CO., Ltd.; Osaka, [JP]  
**PA2** - (B1) MATSUSHITA ELECTRIC IND CO LTD (JP)  
**IN** - (A1) MORITA TOMOKO (JP); ISHIKAWA YUICHI (JP); KASAHARA MITSUHIRO (JP)  
**AP** - US99479401 20011128 [2001US-0994794]  
**FD** - Divsn. of: US 09856161 - 20010731 [2001US-0856161] PENDING  
 PCT Natl Stage 371: US 09856161 - 20010731 [2001US-0856161]  
 PCT Natl Stage 371: WO PCT/JP00/06212 - 20000911 [2000WO-JP06212]  
 UNKNOWN  
**PR** - US99479401 20011128 [2001US-0994794]  
 JP28322899 19991004 [1999JP-0283228]  
 US85616101 20010731 [2001US-0856161]  
**IC** - (A1) G09G-005/00  
**PCL** - ORIGINAL (O) : 345063000; CROSS-REFERENCE (X) : 345211000  
 345690000  
**CT** - US5748171; US6023130; US6133682; US6191505; US6270061; US6288495;  
 US6313821; US6320568; US6331843; JP6282241; JP9-6283; JP9198005; JP9-  
 288467; JP10215424; JP11-194745; JP11212517; JP11-231828; JP11-288244;  
 JP11-283228; JP2001200087  
 An English Language abstract of JP 6-282241.  
  
 An English Language abstract of JP 9-6283.  
  
 An English Language abstract of JP 9-198005.  
  
 An English Language abstract of JP 10-215424.  
  
 An English Language abstract of JP 11-194745.  
  
 An English Language abstract of JP 11-288244.  
  
 An English Language abstract of JP 11-231828.  
  
 An English Language abstract of JP 9-288467.  
  
 An English Language abstract of JP 11-212517.  
  
 ITE '98: 1998 ITE Annual Convention, along with a partial English Translation.  
**STG** - (A1) Utility Patent Application published on or after January 2, 2001  
**STG2** - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

- AB** - A temperature difference estimated value is found from a video signal using a temperature estimated value representing the temperature of the panel outer periphery of a display screen of a PDP and a reference value representing the temperature of the panel outer periphery of the PDP which is outputted from a panel periphery temperature setter by a temperature difference estimator, and the luminance of an image displayed on a display is controlled depending on the temperature difference estimated value by a controller and a brightness controller.
- UP** - 2002-14

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6441803

<=1> Get Drawing Sheet 1 of 19

August 27, 2002

Display device and luminance control method therefor

REISSUE: December 4, 2003 - Reissue Application filed Ex. Gp.: 2673; Re. S.N.  
10/727,331 (O.G. March 2, 2004)

APPL-NO: 994794 (09)

FILED-DATE: November 28, 2001

GRANTED-DATE: August 27, 2002

CORE TERMS: display, luminance, peripheral, estimated value, periphery, screen,  
emitting, multiplication, video signal, format ...

LEXIS-NEXIS  
Library: PATENT  
File: ALL

6,441,803 OR 6441803

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: CASES**

Your search request has found no CASES.

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For further explanation, press the H key (for HELP) and then the ENTER key.

6,441,803 OR 6441803

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: JNLS**

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

6,441,803 OR 6441803

LEXIS-NEXIS  
Library: NEWS  
File: CURNWS

Your search request has found no STORIES.

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

s pn=us 6441803

S4 1 PN=US 6441803  
? t 4/39/1

4/39/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat  
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16803410

Basic Patent (No,Kind,Date): WO 200126086 A1 20010412 <No. of Patents:  
020>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
CN 1327571	T	20011219	CN 2000802143	A	20000911	
EP 1136975	A1	20010926	EP 2000957107	A	20000911	
EP 1162595	A2	20011212	EP 2001121826	A	20000911	
EP 1162596	A2	20011212	EP 2001121829	A	20000911	
EP 1168290	A2	20020102	EP 2001121824	A	20000911	
EP 1162595	A3	20030226	EP 2001121826	A	20000911	
EP 1162596	A3	20030226	EP 2001121829	A	20000911	
EP 1168290	A3	20030226	EP 2001121824	A	20000911	
EP 1136975	A4	20030226	EP 2000957107	A	20000911	
JP 2001109426	A2	20010420	JP 99283228	A	19991004	
JP 3270435	B2	20020402	JP 99283228	A	19991004	
US 20020033814	AA	20020321	US 994775	A	20011128	
US 20020033815	AA	20020321	US 994794	A	20011128	
US 20020036633	AA	20020328	US 994771	A	20011128	
US 6414660	BA	20020702	US 856161	A	20010731	
US 6441803	BA	20020827	US 994794	A	20011128	
US 6492965	BB	20021210	US 994775	A	20011128	
US 6509884	BB	20030121	US 994771	A	20011128	
WO 200126086	A1	20010412	WO 2000JP6212	A	20000911	(BASIC)
TW 476054	B	20020211	TW 89118614	A	20000911	

Priority Data (No,Kind,Date):

JP 99283228 A 19991004  
WO 2000JP6212 W 20000911  
EP 2000957107 A3 20000911  
US 994775 A 20011128  
US 856161 A3 20010731  
US 994794 A 20011128  
US 994771 A 20011128

PATENT FAMILY:

CHINA (CN)

Patent (No,Kind,Date): CN 1327571 T 20011219  
DISPLAY DEVICE AND METHOD OF CONTROLLING ITS BRIGHTNESS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUHIRO KASAHARA (JP); YUICHI ISHIKAWA (JP);  
TOMOKO MORITA (JP)  
Priority (No,Kind,Date): JP 99283228 A 19991004  
Applic (No,Kind,Date): CN 2000802143 A 20000911  
IPC: \* G09G-003/28; G09G-003/20  
Derwent WPI Acc No: \* G 01-625203  
Language of Document: Chinese

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 1136975 A1 20010926  
DISPLAY DEVICE AND METHOD OF CONTROLLING ITS BRIGHTNESS (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);



MORITA TOMOKO (JP)  
Priority (No,Kind,Date): WO 2000JP6212 W 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2000957107 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28; G09G-003/20  
Language of Document: English  
Patent (No,Kind,Date): EP 1162595 A2 20011212  
Display device and luminance control method therefor Dispositif  
d'affichage et sa methode de commande de luminance Anzeigevorrichtung  
und Verfahren zur Luminanzsteuerung dafur (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): EP 2000957107 A3 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2001121826 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28  
Language of Document: English  
Patent (No,Kind,Date): EP 1162596 A2 20011212  
Display device and luminance control method therefor Dispositif  
d'affichage et sa methode de commande de luminance Anzeigevorrichtung  
und Verfahren zur Luminanzsteuerung dafur (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): EP 2000957107 A3 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2001121829 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28  
Language of Document: English  
Patent (No,Kind,Date): EP 1168290 A2 20020102  
Display device and luminance control method therefor Dispositif  
d'affichage et sa methode de commande de luminance Anzeigevorrichtung  
und Verfahren zur Luminanzsteuerung dafur (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): EP 2000957107 A3 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2001121824 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28  
Language of Document: English  
Patent (No,Kind,Date): EP 1162595 A3 20030226  
DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English; French;  
German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): EP 2000957107 A3 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2001121826 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28  
Derwent WPI Acc No: \* G 01-625203  
Language of Document: English  
Patent (No,Kind,Date): EP 1162596 A3 20030226  
DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English; French;

German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): EP 2000957107 A3 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2001121829 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28; G09G-003/20  
Derwent WPI Acc No: \* G 01-625203  
Language of Document: English

Patent (No,Kind,Date): EP 1168290 A3 20030226  
DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English; French;  
German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): EP 2000957107 A3 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2001121824 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28; G09G-003/20  
Derwent WPI Acc No: \* G 01-625203  
Language of Document: English

Patent (No,Kind,Date): EP 1136975 A4 20030226  
DISPLAY DEVICE AND METHOD OF CONTROLLING ITS BRIGHTNESS (English;  
French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): WO 2000JP6212 W 20000911; JP 99283228 A  
19991004  
Applic (No,Kind,Date): EP 2000957107 A 20000911  
Designated States: (National) DE; FR; GB  
IPC: \* G09G-003/28; G09G-003/20  
Derwent WPI Acc No: \* G 01-625203  
Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 1136975	P	19991004	EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
				JP 99283228 A	19991004
EP 1136975	P	20000911	EP AA	PCT-APPLICATION	
				(PCT-ANMELDUNG)	
				WO 2000JP6212 W	20000911
EP 1136975	P	20000911	EP AE	EP-APPLICATION	
				(EUROPAEISCHE ANMELDUNG)	
				EP 2000957107 A	20000911
EP 1136975	P	20010926	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:	
				(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)	
				DE FR GB	
EP 1136975	P	20010926	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)	
EP 1136975	P	20010926	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)	
				20010607	

EP 1136975	P	20011107	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			EP 2001121824 A	20010911
EP 1136975	P	20011107	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			EP 2001121826 A	20010911
EP 1136975	P	20011107	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			EP 2001121829 A	20010911
EP 1136975	P	20011212	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1162595	P
EP 1136975	P	20011212	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1162596	P
EP 1136975	P	20020102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1168290	P
EP 1136975	P	20030226	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			DE FR GB	
EP 1136975	P	20030226	EP A4	SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)
			20030113	
EP 1136975	P	20030604	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20030417	
EP 1162595	P	19991004	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 99283228 A	19991004
EP 1162595	P	20000911	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 2000957107 A3	20000911
EP 1162595	P	20000911	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2001121826 A	20000911
EP 1162595	P	20011212	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 1136975	P
EP 1162595	P	20011212	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			DE FR GB	
EP 1162595	P	20011212	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1162595	P	20011212	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20010911	
EP 1162595	P	20030226	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

EP 1162595	P	DE FR GB 20030226 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1162595	P	20030528 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20030414
EP 1162595	P	20031112 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB
EP 1162596	P	19991004 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1162596	P	JP 99283228 A 19991004 20000911 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 2000957107 A3 20000911
EP 1162596	P	20000911 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2001121829 A 20000911
EP 1162596	P	20011212 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 1136975 P
EP 1162596	P	20011212 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 1162596	P	DE FR GB 20011212 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1162596	P	20011212 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20010911
EP 1162596	P	20030226 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 1162596	P	DE FR GB 20030226 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1162596	P	20030226 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7G 09G 3/28 A, 7G 09G 3/20 B
EP 1162596	P	20030528 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20030411
EP 1162596	P	20031112 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB
EP 1168290	P	19991004 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1168290	P	JP 99283228 A 19991004 20000911 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)

			EP 2000957107	A3	20000911	
EP 1168290	P	20000911	EP AE		EP-APPLICATION	
					(EUROPAEISCHE ANMELDUNG)	
			EP 2001121824	A	20000911	
EP 1168290	P	20020102	EP AC		DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
			EP 1136975	P		
EP 1168290	P	20020102	EP AK		DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)	
			DE FR GB			
EP 1168290	P	20020102	EP A2		PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)	
EP 1168290	P	20020102	EP 17P		REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)	
			20010911			
EP 1168290	P	20030226	EP AK		DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)	
			DE FR GB			
EP 1168290	P	20030226	EP A3		SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))	
EP 1168290	P	20030226	EP RIC1		CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))	
			7G 09G 3/28 A, 7G 09G 3/20 B			
EP 1168290	P	20030528	EP 17Q		FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)	
			20030411			
EP 1168290	P	20031112	EP AKX		PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)	
			DE FR GB			

#### JAPAN (JP)

Patent (No,Kind,Date): JP 2001109426 A2 20010420  
 DISPLAY DEVICE AND BRIGHTNESS CONTROL METHOD THEREFOR (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): KASAHARA MITSUHIRO; ISHIKAWA YUICHI; MORITA TOMOKO  
 Priority (No,Kind,Date): JP 99283228 A 19991004  
 Applic (No,Kind,Date): JP 99283228 A 19991004  
 IPC: \* G09G-003/28  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3270435 B2 20020402  
 Priority (No,Kind,Date): JP 99283228 A 19991004  
 Applic (No,Kind,Date): JP 99283228 A 19991004  
 IPC: \* G09G-003/28; G09G-003/20  
 Derwent WPI Acc No: \* G 01-625203  
 Language of Document: Japanese

#### TAIWAN (TW)

Patent (No,Kind,Date): TW 476054 B 20020211  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP); MORITA TOMOKO (JP)  
 Priority (No,Kind,Date): JP 99283228 A 19991004  
 Applic (No,Kind,Date): TW 89118614 A 20000911  
 IPC: \* G09G-003/28; G09G-003/20

Derwent WPI Acc No: \* G 01-625203

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 20020033814 AA 20020321  
DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): US 994775 A 20011128; JP 99283228 A  
19991004; US 856161 A3 20010731  
Applic (No,Kind,Date): US 994775 A 20011128  
National Class: \* 345204000  
IPC: \* G09G-005/00

Derwent WPI Acc No: \* G 01-625203

Language of Document: English

Patent (No,Kind,Date): US 20020033815 AA 20020321  
DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): US 994794 A 20011128; JP 99283228 A  
19991004; US 856161 A3 20010731  
Applic (No,Kind,Date): US 994794 A 20011128  
National Class: \* 345204000  
IPC: \* G09G-005/00

Derwent WPI Acc No: \* G 01-625203

Language of Document: English

Patent (No,Kind,Date): US 20020036633 AA 20020328  
DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): US 994771 A 20011128; JP 99283228 A  
19991004; US 856161 A3 20010731  
Applic (No,Kind,Date): US 994771 A 20011128  
National Class: \* 345204000  
IPC: \* G09G-005/00

Derwent WPI Acc No: \* G 01-625203

Language of Document: English

Patent (No,Kind,Date): US 6414660 BA 20020702  
DISPLAY DEVICE AND METHOD OF CONTROLLING ITS BRIGHTNESS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): JP 99283228 A 19991004; WO 2000JP6212 W  
20000911  
Applic (No,Kind,Date): US 856161 A 20010731  
National Class: \* 345063000; 345690000; 345211000  
IPC: \* G09G-003/28

Derwent WPI Acc No: \* G 01-625203

Language of Document: English

Patent (No,Kind,Date): US 6441803 BA 20020827  
DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
MORITA TOMOKO (JP)  
Priority (No,Kind,Date): US 994794 A 20011128; JP 99283228 A  
19991004; US 856161 A3 20010731  
Applic (No,Kind,Date): US 994794 A 20011128  
National Class: \* 345063000; 345690000; 345211000

IPC: \* G09G-003/28  
 Derwent WPI Acc No: \* G 01-625203  
 Language of Document: English  
 Patent (No,Kind,Date): US 6492965 BB 20021210  
 DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
 MORITA TOMOKO (JP)  
 Priority (No,Kind,Date): US 994775 A 20011128; JP 99283228 A  
 19991004; US 856161 A3 20010731  
 Applic (No,Kind,Date): US 994775 A 20011128  
 National Class: \* 345063000; 345211000; 345690000  
 IPC: \* G09G-003/28  
 Derwent WPI Acc No: \* G 01-625203  
 Language of Document: English  
 Patent (No,Kind,Date): US 6509884 BB 20030121  
 DISPLAY DEVICE AND LUMINANCE CONTROL METHOD THEREFOR (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
 MORITA TOMOKO (JP)  
 Priority (No,Kind,Date): US 994771 A 20011128; JP 99283228 A  
 19991004; US 856161 A3 20010731  
 Applic (No,Kind,Date): US 994771 A 20011128  
 National Class: \* 345063000; 345211000; 345690000  
 IPC: \* G09G-003/28  
 Derwent WPI Acc No: \* G 01-625203  
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 20010856161	A	20010731	US REFW	CORRESPONDS TO PCT
			APPLICATION	
			WO 200126086	P
US 6414660	P	19991004	US AA	PRIORITY (PATENT)
			JP 99283228	A 19991004
US 6414660	P	20000911	US AA	PCT-APPLICATION
			WO 2000JP6212	W 20000911
US 6414660	P	20010731	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 856161	A 20010731
US 6414660	P	20020702	US BA	PATENT (NO PREVIOUS
			PRE-GRANT PUBLICATION)	
US 6414660	P	20030415	US CC	CERTIFICATE OF CORRECTION
US 6441803	P	19991004	US AA	PRIORITY (PATENT)
			JP 99283228	A 19991004
US 6441803	P	20010731	US AA	PRIORITY (DIVISION)
			US 856161	A3 20010731
US 6441803	P	20011128	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 994794	A 20011128
US 6441803	P	20020827	US BA	PATENT (NO PREVIOUS
			PRE-GRANT PUBLICATION)	
US 6492965	P	19991004	US AA	PRIORITY (PATENT)
			JP 99283228	A 19991004
US 6492965	P	20010731	US AA	PRIORITY (DIVISION)
			US 856161	A3 20010731
US 6492965	P	20011128	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 994775	A 20011128
US 6492965	P	20021210	US BB	PATENT (PREVIOUS PRE-GRANT
			PUBLICATION)	

US 6509884	P	19991004	US AA	PRIORITY (PATENT)
			JP 99283228 A	19991004
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			US 856161 A3	20010731
US 6509884	P	20011128	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 994771 A	20011128
US 6509884	P	20030121	US BB	PATENT (PREVIOUS PRE-GRANT PUBLICATION)
US 20020033814	P	19991004	US AA	PRIORITY (PATENT)
			JP 99283228 A	19991004
US 20020033814	P	20010731	US AA	PRIORITY (DIVISION)
			US 856161 A3	20010731
US 20020033814	P	20011128	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 994775 A	20011128
US 20020033814	P	20020321	US A1A1	PATENT APPLICATION PUBLICATION (PRE-GRANT)
US 20020033815	P	19991004	US AA	PRIORITY (PATENT)
			JP 99283228 A	19991004
US 20020033815	P	20010731	US AA	PRIORITY (DIVISION)
			US 856161 A3	20010731
US 20020033815	P	20011128	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 994794 A	20011128
US 20020033815	P	20020321	US A1A1	PATENT APPLICATION PUBLICATION (PRE-GRANT)
US 20020036633	P	19991004	US AA	PRIORITY (PATENT)
			JP 99283228 A	19991004
US 20020036633	P	20010731	US AA	PRIORITY (DIVISION)
			US 856161 A3	20010731
US 20020036633	P	20011128	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 994771 A	20011128
US 20020036633	P	20020328	US A1A1	PATENT APPLICATION PUBLICATION (PRE-GRANT)

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 200126086 A1 20010412  
 DISPLAY DEVICE AND METHOD OF CONTROLLING ITS BRIGHTNESS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); KASAHARA  
 MITSUHIRO (JP); ISHIKAWA YUICHI (JP); MORITA TOMOKO (JP)  
 Author (Inventor): KASAHARA MITSUHIRO (JP); ISHIKAWA YUICHI (JP);  
 MORITA TOMOKO (JP)  
 Priority (No,Kind,Date): JP 99283228 A 19991004  
 Applic (No,Kind,Date): WO 2000JP6212 A 20000911  
 Designated States: (National) CN; KR; US (Regional) DE; FR; GB  
 Filing Details: WO 100000 With international search report  
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 Language of Document: Japanese

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

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 WO 200126086 P 19991004 WO AA PRIORITY (PATENT)  
 JP 99283228 A 19991004  
 WO 200126086 P 20000911 WO AE APPLICATION DATA (APPL.  
 DATA)  
 WO 2000JP6212 A 20000911  
 WO 200126086 P 20010412 WO AK DESIGNATED STATES CITED IN A  
 PUBLISHED APPLICATION WITH SEARCH REPORT  
 (DESIGNATED STATES CITED IN A PUBLISHED APPL.



WITH SEARCH REPORT)

CN KR US

WO 200126086 P 20010412 WO AL DESIGNATED COUNTRIES FOR  
REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITH SEARCH REPORT (DESIGNATED  
COUNTRIES FOR REGIONAL PATENTS CITED IN A  
PUBLISHED APPL. WITH SEARCH REPORT)

DE FR GB

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INTERNATIONAL APPLICATION WITH THE  
INTERNATIONAL SEARCH REPORT (PUB. OF THE  
INTERNATIONAL APPL. WITH THE INTERNATIONAL  
SEARCH REPORT)

WO 200126086 P 20010606 WO 121 EP: THE EPO HAS BEEN  
INFORMED BY WIPO THAT EP WAS DESIGNATED IN  
THIS APPLICATION

WO 200126086 P 20010731 WO ENP ENTRY INTO THE NATIONAL  
PHASE IN:

US 856161 A 20010731